MR-1 CHECK OFF LIST FOR NON-CATEGORICAL COMPANIES

ST. MARY'S HOSPITAL

36210045
~~#26210003~~

1. **Month of APRIL 1, 2008 THRU APRIL 30, 2008**

2.	Is Outlet # (8 digit) Correct?	Y	N	N/A
3.	Is average Total flow-gal.day stated in space provided?	Y	N	N/A
4.	Is max. Total flow-gal day stated in space provided?	Y	N	N/A
5.	Is method used to calculate water stated?	Y	N	N/A
6.	Are number of working days stated?	Y	N	N/A
7.	Are there any parameters which have exceeded PVSC Local Limits?	Y	N	N/A
8.	Is proper compliance/non-compliance statement provided?	Y	N	N/A
9.	Have correct number of samples been submitted?	Y	N	N/A
10.	Has PHC result been listed on MR-1 report?	Y	N	N/A
11.	Has sample number been reported in space provided?	Y	N	N/A
12.	Have all regulated parameters been listed on MR-1?	Y	N	N/A
13.	Has sample type been stated on MR-1?	Y	N	N/A
14.	Have all samples been taken during this reporting period?	Y	N	N/A
15.	Has NJDEPE certified lab been used?	Y	N	N/A
16.	Have analytical results been submitted on copies of Laboratory stationery?	Y	N	N/A
17.	Have results been written in space designated on MR-1?	Y	N	N/A
18.	Is correct method used to preserve samples stated on MR-1?	Y	N	N/A
19.	Has MR-1 been signed by authorized representative?	Y	N	N/A
20.	Has information been submitted on proper MR-1 form?	Y	N	N/A
21.	Remove Arsenic from report if sampling not required	Y	N	N/A

JUN 2008
2nd Input Industrial Dept.

MR-1 CHECK OFF LIST FOR NON-CATEGORICAL COMPANIES

First Reviewer: comments on deficiencies Complete

Date Reviewed 6/2/08 Date sent to user _____

Date due back _____ Reviewer _____

Second review comments on deficiencies _____

Date Reviewed _____ Date sent to user _____

Date due back _____ Reviewer _____

Date _____ Reviewer _____

PRETREATMENT MONITORING REPORT

NAME : ST. MARY'S HOSPITAL

MAILING ADDRESS: 350 Boulevard, Passaic, NJ 07055

FACILITY LOCATION: 350 Boulevard, Passaic, NJ 07055

CATEGORY & SUBPART: 460

OUTLET #: 1

CONTACT OFFICIAL: Martin Romanik

TELEPHONE #: (973) 365-5134

NEW CUSTOMER ID/ OUTLET ID: 26210045

OLD OUTLET DESIGNATION: 26210003

MONITORING RECORD							Average	Maximum
START			END			Regulated Flow-gal/day	N/A	N/A
4	1	2008	4	30	2008	Total Flow-gal/day	258,445	284,290
MO.	DAY	YR.	MO.	DAY	YR.			

Method Used: Meter Readings Divided by **30** days.

Production Rate (if applicable)

PARAMETER		MASS LIMIT OR CONCENTRATION			#OF SAMPLES	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS		COMP/GRAB
Zinc	Sample Measurement	0.051	0.051	ppm	1	COMP
	Permit Requirement	*1.67*	*1.67*	ppm		
	Permit Requirement					
	Sample Measurement					
	Permit Requirement					

PVSC Form MR-1 Rev:4 6/87 P1

Certification of Non-use if applicable (use additional sheets): N/A

Compliance or non-compliance statement with compliance schedule (use additional sheets if necessary for every parameter used. PBI Regional Medical Center Hospital is in compliance with the PVSC local limits

Explain Method for preserving samples: Laboratory preserved with 5ml nitric acid to a pH of <2

I certify under penalty of law that this document and attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

403.6(a)(2)(ii) revised by 53 FR 40610, October 17, 1988

Signature of Principal
Executive or Authorized Agent

Joseph W. Pilewski

Vice President Enviro-Sciences, Inc
Type Name and Title

20-May-08
Date

PVSC Form MR-1 Rev:5 3/91 P2

Water Discharge Calculation Sheet

ST. MARY'S HOSPITAL (PBI)

APRIL 2008

Total water used from meter reading (Cubic feet)	1,091,100
x 7.48 (gallons / cubic foot)	
Total Usage (Gallons)	8,161,428
Evaporation (Gallons) 5% evaporation *	408,071
Volume Discharged (Gallons)	7,753,357

Volume Discharged For Month	
Daily Average Discharge (Gallons)	258,445
Daily Maximum Discharge (Gallons)	284,290

Month 4
Last day 30

*** NOTE: In the months of January, February and March the PVSC DOES NOT ALLOW a reduction for evaporation.**

70027224	70027225	70029946	60144298			
Meter 1	**Meter 2**	**Meter 3**	**Meter 4**	**Total**	**x 100**	**x 7.48**
1,434	1,728	7,609	140	10,911	1,091,100	8,161,428

	Reading Date		**CF1**	**CF2**	**Consumption (100 cu.ft.)**
Meter 1	5/13/08		1,286.00	1,534.00	
	4/14/08		252.00	1,530.00	
		C - L	1,034.00	4.00	
			x 1	**x 100**	
			1,034.00	400.00	**1,434.00**
Meter 2	5/13/08		7,052.00	1,170.00	
	4/14/08		6,024.00	1,163.00	
		C - L	1,028.00	7.00	
			x 1	**x 100**	
			1,028.00	700.00	**1,728.00**
Meter 3	5/13/08		9,702.00	7,297.00	
	4/14/08		1,173.00	7,389.00	
		C - L	8,529.00	-92.00	
			x 1	**x 10**	
			8,529.00	-920.00	**7,609.00**
Meter 4	5/13/08		2,250.00		
	4/14/08		2,236.00		
		C - L	14.00		
			x 10		
			140.00		**140.00**

IAL
Integrated Analytical Laboratories LLC

ANALYTICAL DATA REPORT

ESI, INC.
111 Howard Blvd
Suite 108
Mount Arlington, NJ 07856

Project Name: **ST. MARY'S HOSPITAL (PBI)-R8MM**
IAL Case Number: **E08-03655**

These data have been reviewed and accepted by:

Michael H. Leffin, Ph.D.
Laboratory Director

273 Franklin Road
Randolph, NJ 07869
Phone: 973 361 4252
Fax: 973 989 5288

Sample Summary

IAL Case No.
E08-03655

Client ESI, INC.

Project ST. MARY'S HOSPITAL (PBI)-R8MM

Received On 4/ 3/2008@11:50

Lab ID	Client Sample ID	Depth Top/Bottom	Sampling Time	Matrix	# of Container
03655-001	SMP-0408	n/a	4/ 3/2008@09:25	Aqueous	1

Integrated Analytical Labs ~ 273 Franklin Road, Randolph, NJ 07869 ~ (973) 361-4252 ~ Fax (973) 989-5288

INTEGRATED ANALYTICAL LABORATORIES, LLC.

TABLE OF CONTENTS

* Methodology is included in the IAL Project Information Page

INTEGRATED ANALYTICAL LABORATORIES, LLC.

MATRIX QUALIFIERS

A - Indicates the sample is an Aqueous matrix.

O - Indicates the sample is an Oil matrix.

S - Indicates the sample is a Soil, Sludge or Sediment matrix.

X - Indicates the sample is an Other matrix as indicated by Client Chain of Custody.

DATA QUALIFIERS

B - Indicates the analyte was found in the Blank and in the sample. It indicates possible sample contamination and warns the data user to use caution when applying the results of the analyte.

C - Common Laboratory Contaminant.

D - The compound was reported from the Diluted analysis.

D.F. - Dilution Factor.

E - Estimated concentration, reported results are outside the calibrated range of the instrument.

J - Indicates an estimated value. The compound was detected at a value below the method detection limit but greater than zero. For GC/MS procedures, the mass spectral data meets the criteria required to identify the target compound.

MDL - Method Detection Limit.

MI - Indicates compound concentration could not be determined due to Matrix Interferences.

NA - Not Applicable.

ND - Indicates the compound was analyzed for but Not Detected at the MDL.

REPORT QUALIFIERS

All solid sample analyses are reported on a dry weight basis.

All solid sample values are corrected for original sample size and percent solids.

Q - Qualifier

INTEGRATED ANALYTICAL LABORATORIES, LLC.

CONFORMANCE / NONCONFORMANCE SUMMARY

Integrated Analytical Laboratories, LLC. received one (1) aqueous sample(s) from ESI, INC. (Project: ST. MARY'S HOSPITAL (PBI)-R8MM) on April 3, 2008 for the analysis of:

(1) Metal - Zinc

A review of the QA/QC measures for the analysis of the sample(s) contained in this report has been performed by:

Reviewed by

4/17/08
Date

0002

INTEGRATED ANALYTICAL LABORATORIES, LLC.

LABORATORY DELIVERABLES CHECK LIST

Lab Case Number: E08-03655

		Check If Complete
1.	Cover Page, Title Page listing Lab Certification #, facility name & address and date of report preparation.	✓
2.	Table of Contents.	✓
3.	Summary Sheets listing analytical results for all targeted and non-targeted compounds.	✓
4.	Summary Table cross-referencing Field ID's vs. Lab ID's.	✓
5.	Document bound, paginated and legible.	✓
6.	Chain of Custody.	✓
7.	Methodology Summary.	✓
8.	Laboratory Chronicle and Holding Time Check.	✓
9.	Results submitted on a dry weight basis (if applicable).	✓
10.	Method Detection Limits.	✓
11.	Lab certified by NJDEP for parameters or appropriate category of parameters or a member of the USEPA CLP.	✓
12.	NonConformance Summary.	✓

QC Reviewed by

4/17/08
Date

0003

INTEGRATED ANALYTICAL LABORATORIES
CONFORMANCE/NONCONFORMANCE SUMMARY
METAL ANALYSIS

Lab Case Number: E08-03655

		No	Yes
1.	Calibration Summary Meet Criteria.		✓
2.	ICP Interference Check Sample Results Meets Criteria (if applicable)		NA
3.	Serial Dilution/Post Spike Summary Submitted (if applicable) / Meets Criteria		✓
4.	Internal Standards Meet Criteria (if applicable)		✓
5.	Laboratory Control Sample Summary Submitted (if applicable) / Meets Criteria		✓
6.	Blank Contamination: If yes, list compounds and concentrations in each blank:	✓	
7.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria. (If not, list those compounds and their recoveries which fall outside the acceptable range).		✓
8.	Extraction Holding Time Met. If not, list number of days exceeded for each sample:		✓
9.	Analysis Holding Time Met. If not, list number of days exceeded for each sample:		✓

Additional Comments:

H. Falek-Jorgensen
Inorganic Manager

April 10, 2008
Date

0004

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: ESI, INC.
Project: ST. MARY'S HOSPITAL (PBI)-R8MM
Lab Case No.: E08-03655

	Lab ID:	**03655-001**	
	Client ID:	**SMP-0408**	
	Matrix:	**Aqueous**	
	Sampled Date	**4/3/08**	
PARAMETER(Units)	Conc	Q	MDL
Metals (Units)	*(mg/L-ppm)*		
Zinc	0.051	J	0.008

INTEGRATED ANALYTICAL LABORATORIES, LLC.

Zinc

Client/Project: ESI/ST. MARY'S HOSPITAL (PBI)-R8MM

Batch #: 160
Date Received: 04/03/08 11:50
Method: 200.8

Lab ID	Client ID	Result	Q	DF	Matrix	MDL	% Moist	Date Analyzed
03655-001	SMP-0408	0.051		1	Aqueous-mg/L	0.008	100	04/08/08

E08-03655 INTEGRATED ANALYTICAL LABORATORIES, LLC.

METALS QUALITY CONTROL

BLANK 2 RESULTS SUMMARY

Batch (Page) #: 160

Associated Lab Case for Blank 2: 03589, 03590, 03592, 03604, 03650, 03651, 03655, 03703, 03713, 03714, 03715, 03716, 03717, 03718, 03719, 03720, 03721, 03722, 03727, 03800

Matrix: Aqueous Unit: ppb (µg/L) Method: 200.8/200.7

ANALYTE	SAMPLE MDL	REAGENT BLANK
Arsenic	2.00	ND
Copper	8.00	ND
Lead	2.00	ND
Zinc	8.00	ND

E08-03655 INTEGRATED ANALYTICAL LABORATORIES, LLC.

METALS QUALITY CONTROL

INITIAL & CONTINUING CALIBRATION BLANKS VERIFICATION

Batch (Page) #: 160

Lab Case: 03569, 03585, 03586, 03587, 03588, 03589, 03590, 03591, 03592, 03604, 03607, 03610
03612, 03613, 03650, 03651, 03652, 03653, 03654, 03655, 03703, 03713, 03714, 03715
03716, 03717, 03718, 03719, 03720, 03721, 03722, 03727, 03730, 03731, 03732, 03761

Matrix: Aqueous Method: 200.8/200.7 Concentration/Units: ppb (µg/L)

ANALYTE	INST. MDL	ICB	CCB	CCB	CCB	CCB	CCB
Arsenic	0.500	ND	ND	ND	ND	ND	ND
Cadmium	0.250	ND	ND	ND	ND	ND	ND
Copper	2.00	ND	ND	ND	ND	ND	ND
Lead	0.500	ND	ND	ND	ND	ND	ND
Magnesium	100	ND	ND				
Mercury	0.250	ND	ND	ND	ND		
Nickel	1.00	ND	ND	ND	ND	ND	ND
Zinc	2.00	ND	ND	ND	ND	ND	ND

E08-03655 INTEGRATED ANALYTICAL LABORATORIES, LLC.

METALS QUALITY CONTROL

INITIAL & CONTINUING CALIBRATION BLANKS VERIFICATION

Batch (Page) #: 160

Lab Case: 03569, 03585, 03586, 03587, 03588, 03589, 03590, 03591, 03592, 03604, 03607, 03610
03612, 03613, 03650, 03651, 03652, 03653, 03654, 03655, 03703, 03713, 03714, 03715
03716, 03717, 03718, 03719, 03720, 03721, 03722, 03727, 03730, 03731, 03732, 03761

Matrix: Aqueous Method: 200.8/200.7 Concentration/Units: ppb (µg/L)

ANALYTE	INST. MDL	CCB	CCB	CCB	CCB	CCB	
Arsenic	0.500	ND	ND	ND	ND	ND	
Cadmium	0.250	ND	ND	ND	ND	ND	
Copper	2.00	ND	ND	ND	ND	ND	
Lead	0.500	ND	ND	ND	ND	ND	
Magnesium	100						
Mercury	0.250						
Nickel	1.00	ND	ND	ND	ND	ND	
Zinc	2.00	ND	ND	ND	ND	ND	

E08-03655 INTEGRATED ANALYTICAL LABORATORIES, LLC.

METALS QUALITY CONTROL

INITIAL & CONTINUING CALIBRATION VERIFICATION

Batch (Page) #: 160

Lab Case: 03569, 03585, 03586, 03587, 03588, 03589, 03590, 03591, 03592, 03604, 03607, 03610
03612, 03613, 03650, 03651, 03652, 03653, 03654, 03655, 03703, 03713, 03714, 03715
03716, 03717, 03718, 03719, 03720, 03721, 03722, 03727, 03730, 03731, 03732, 03761

Matrix: Aqueous Method: 200.8/200.7 Units: ppb (ug/L)

ANALYTE	INST. MDL	ICV & CCV TRUE	ICV		CCV		CCV		CCV	
			FOUND	% R	FOUND	% R	FOUND	% R	FOUND	% R
Arsenic	0.500	20.0	20.7	104	20.7	104	20.6	103	20.4	102
Cadmium	0.250	10.0	9.84	98.4	9.50	95.0	9.51	95.1	9.43	94.3
Copper	2.00	50.0	48.5	97.0	48.9	97.8	47.7	95.4	46.7	93.4
Lead	0.500	10.0	9.50	95.0	9.73	97.3	9.62	96.2	9.61	96.1
Magnesium	100	10000	10630	106	9576	95.8				
Mercury	0.250	5.00	4.66	93.2	4.53	90.6	4.39	87.8	4.22	84.4
Nickel	1.00	80.0	75.5	94.4	76.2	95.3	74.7	93.4	72.7	90.9
Zinc	2.00	40.0	41.7	104	41.5	104	39.9	99.8	39.5	98.8

(1) Control Limits: Mercury 80-120; Other Metals 90-110

0010

E08-03655 INTEGRATED ANALYTICAL LABORATORIES, LLC.

METALS QUALITY CONTROL

INITIAL & CONTINUING CALIBRATION VERIFICATION

Batch (Page) #: 160

Lab Case: 03569, 03585, 03586, 03587, 03588, 03589, 03590, 03591, 03592, 03604, 03607, 03610
03612, 03613, 03650, 03651, 03652, 03653, 03654, 03655, 03703, 03713, 03714, 03715
03716, 03717, 03718, 03719, 03720, 03721, 03722, 03727, 03730, 03731, 03732, 03761

Matrix: Aqueous Method: 200.8/200.7 Units: ppb (ug/L)

ANALYTE	INST. MDL	ICV & CCV TRUE	CCV FOUND	CCV % R	CCV FOUND	CCV % R	CCV FOUND	CCV % R	CCV FOUND	CCV % R
Arsenic	0.500	20.0	20.4	102	20.4	102	20.8	104	20.3	102
Cadmium	0.250	10.0	9.23	92.3	9.11	91.1	9.35	93.5	9.20	92.0
Copper	2.00	50.0	46.7	93.4	45.5	91.0	46.7	93.4	46.6	93.2
Lead	0.500	10.0	9.57	95.7	9.60	96.0	9.69	96.9	9.66	96.6
Magnesium	100	10000								
Mercury	0.250	5.00								
Nickel	1.00	80.0	72.2	90.3	77.1	96.4	79.1	98.9	78.7	98.4
Zinc	2.00	40.0	38.8	97.0	37.5	93.8	38.7	96.8	38.6	96.5

(1) Control Limits: Mercury 80-120; Other Metals 90-110

0011

E08-03655 INTEGRATED ANALYTICAL LABORATORIES, LLC.

METALS QUALITY CONTROL

INITIAL & CONTINUING CALIBRATION VERIFICATION

Batch (Page) #: 160

Lab Case: 03569, 03585, 03586, 03587, 03588, 03589, 03590, 03591, 03592, 03604, 03607, 03610
03612, 03613, 03650, 03651, 03652, 03653, 03654, 03655, 03703, 03713, 03714, 03715
03716, 03717, 03718, 03719, 03720, 03721, 03722, 03727, 03730, 03731, 03732, 03761

Matrix: Aqueous Method: 200.8/200.7 Units: ppb (ug/L)

ANALYTE	INST. MDL	ICV & CCV TRUE	CCV FOUND	CCV % R	CCV FOUND	CCV % R	CCV FOUND	CCV % R	FOUND	% R
Arsenic	0.500	20.0	21.2	106	18.4	92.0	21.4	107		
Cadmium	0.250	10.0	9.49	94.9	9.43	94.3	9.51	95.1		
Copper	2.00	50.0	48.3	96.6	46.7	93.4	47.3	94.6		
Lead	0.500	10.0	10.2	102	9.48	94.8	9.99	99.9		
Magnesium	100	10000								
Mercury	0.250	5.00								
Nickel	1.00	80.0	72.9	91.1	77.8	97.3	73.1	91.4		
Zinc	2.00	40.0	39.7	99.3	39.5	98.8	39.9	99.8		

(1) Control Limits: Mercury 80-120; Other Metals 90-110

E08-03655 INTEGRATED ANALYTICAL LABORATORIES, LLC.

METALS QUALITY CONTROL

SPIKE SAMPLE RECOVERY

Batch (Page) #: 160

Lab Case: 03589, 03590, 03592, 03604, 03650, 03651, 03655, 03703, 03713, 03714
03715, 03716, 03717, 03718, 03719, 03720, 03721, 03722, 03727, 03800

Matrix: Aqueous Concentration/Units: ppb (µg/L)

ANALYTE	SSR3	SR3	%R3	SA3	SSR4	SR4	%R4	SA4	CONTROL LIMIT %R
Arsenic					416	ND	104	400	75-125
Copper	402	30.1	93.0	400	430	66.2	91.0	400	75-125
Lead	409	4.63	101	400	390	4.72	96.3	400	75-125
Nickel					357	9.20	87.0	400	75-125
Zinc	484	96.2	97.0	400	460	70.3	97.4	400	75-125

SSR = Spike Sample Result
SA = Spike Added
SR = Sample Result
%R = Percent Recovery
NC = Non-calculable % R; Sample concentration > 4 x Spike Concentration.

QC Sample 3 03713-002
QC Sample 3 for following samples:
03589-002; 03590-002; 03592-001; 03604-001
03650-001; 03651-001; 03655-001; 03703-001
03713-002; 03714-001

QC Sample 4 03720-002
QC Sample 4 for following samples:
03715-001; 03716-001; 03717-001; 03718-001
03719-002; 03720-002; 03721-002; 03722-001
03727-001; 03800-001

E08-03655 INTEGRATED ANALYTICAL LABORATORIES, LLC.

METALS QUALITY CONTROL
DUPLICATE SAMPLE RECOVERY

Batch (Page) #: 160
Lab Case: 03589, 03590, 03592, 03604, 03650, 03651, 03655, 03703, 03713, 03714
03715, 03716, 03717, 03718, 03719, 03720, 03721, 03722, 03727, 03800

Matrix: Aqueous Concentration/Units: ppb (µg/L)

ANALYTE	CONTROL LIMIT 3	S3	D3	RPD3	CONTROL LIMIT 4	S4	D4	RPD4
Arsenic					NA	ND	ND	NC
Copper	20	30.1	31.0	2.95	20	66.2	65.4	1.22
Lead	20	4.63	4.77	2.98	20	4.72	4.74	0.423
Nickel					20	9.20	9.88	7.13
Zinc	20	96.2	98.0	1.85	20	70.3	70.1	0.285

S3 = Sample 3
D3 = Duplicate 3
NA = Not Applicable
NC = Non-calculable RPD due to result (s) less than the detection limit.

S4 = Sample 4
D4 = Duplicate 4

QC Sample 3 03713-002
QC Sample 3 for following samples:
03589-002; 03590-002; 03592-001; 03604-001
03650-001; 03651-001; 03655-001; 03703-001
03713-002; 03714-001

QC Sample 4 03720-002
QC Sample 4 for following samples:
03715-001; 03716-001; 03717-001; 03718-001
03719-002; 03720-002; 03721-002; 03722-001
03727-001; 03800-001

E08-03655 INTEGRATED ANALYTICAL LABORATORIES, LLC.

METALS QUALITY CONTROL

LABORATORY CONTROL SAMPLE

Batch (Page) #: 160

Lab Case: 03569, 03585, 03586, 03587, 03588, 03589, 03590, 03591, 03592, 03604, 03607, 03610
03612, 03613, 03650, 03651, 03652, 03653, 03654, 03655, 03703, 03713, 03714, 03715
03716, 03717, 03718, 03719, 03720, 03721, 03722, 03727, 03730, 03731, 03732, 03761

Matrix: Aqueous Unit: ppb (µg/L)

ANALYTE	BSW1			BSW2		
	TRUE	FOUND	%R(1)	TRUE	FOUND	%R(1)
Arsenic	400	403	101	400	408	102
Cadmium	400	397	99.3			
Copper	400	389	97.3	400	380	95.0
Lead	400	378	94.5	400	388	97.0
Magnesium	8000	7660	95.8			
Mercury	10.0	10.6	106			
Nickel	400	384	96.0	400	367	91.8
Zinc	400	419	105	400	398	99.5

(1) Control Limits % Recovery = 85-115%

BSW1

03569-001; 03591-001; 03607-001; 03610-001
03612-001; 03613-002; 03652-001; 03653-001
03798-001~002; 03585-002; 03586-002; 03587-002
03588-002~003; 03654-001; 03730-001; 03731-001

BSW2

03589-002; 03590-002; 03592-001; 03604-001
03650-001; 03651-001; 03655-001; 03703-001
03713-002; 03714-001; 03715-001; 03716-001
03717-001; 03718-001; 03719-002; 03720-002

E08-03655 INTEGRATED ANALYTICAL LABORATORIES, LLC.

METALS QUALITY CONTROL

SERIAL DILUTIONS & POST SPIKES 3

Batch (Page) #: 160
Lab Case: 03589, 03590, 03592, 03604, 03650, 03651, 03655, 03703, 03713, 03714

Matrix: Aqueous Concentration/Units: ppb (µg/L)

ANALYTE	SERIAL DILUTION		%	POST SPIKE		%
	SR	SDR	Difference	SPR	SA	Recovery
Copper	30.1			360	400	82.5
Lead	4.63			344	400	84.8
Zinc	96.2			430	400	83.5

SR = Sample Result
SDR = Sample Dilution Result

SPR = Sample Post Spike Result
SA = Spike Added

Control Limits: (+) or (-) 10% Difference or 75 - 125% Recovery

QC Sample3 : 03713-002
QC Sample 3 for following samples:
03589-002; 03590-002; 03592-001; 03604-001
03650-001; 03651-001; 03655-001; 03703-001
03713-002; 03714-001

0016

E08-03655 INTEGRATED ANALYTICAL LABORATORIES, LLC.

METALS QUALITY CONTROL

IPC

Batch (Page) #: 160
Lab Case: 03569, 03585, 03586, 03587, 03588, 03589, 03590, 03591, 03592, 03604, 03607, 03610
03612, 03613, 03650, 03651, 03652, 03653, 03654, 03655, 03703, 03713, 03714, 03715
03716, 03717, 03718, 03719, 03720, 03721, 03722, 03727, 03730, 03731, 03732, 03761
Matrix: Aqueous Unit: ppb (µg/L)

ANALYTE	BSW1		
	TRUE	FOUND	%R(1)
Arsenic	50.0	51.3	103
Cadmium	50.0	50.6	101
Copper	50.0	51.4	103
Lead	50.0	51.8	104
Magnesium	5000	5070	101
Mercury	2.50	2.51	100
Nickel	50.0	49.7	99.4
Zinc	50.0	48.8	97.6

(1) Control Limits = 95-105%

CHAIN OF CUSTODY

No. 3655
(Lab Use Only)

ENVIRO-SCIENCES, INC.

111 Howard Boulevard, Suite 108
Mount Arlington, NJ 07856
Phone: 973-398-8183
Fax: 973-398-8037

CLIENT: ST. MARY'S HOSPITAL (PBI) PROJECT NAME: R8MM

DELIVERABLES: Reduced Data Deliverables

SEND REPORT TO: Bob Lawrence E-Mail: RLawrenc@Enviro-Sciences.com

Sample Identification		Sampling Location Point	Sample Date	Sampling Time			Sample Matrix	Sample Type		Analysis Required (code #)	# of Containers
Lab	Field ID				AM	PM		Comp.	Grab		
01	SMP-0408	Process Wastewater	4/3/08	9:25			Aqueous	X		19	1

Note: PVSC Threshold Limits Required

Method of Relinquishment: Drop Off Name of Laboratory: IAL

Relinquished By: (Sign): [signature] Received By (Sign): [signature] Date/Time: 4/3/08 11:50

Relinquished To Lab By: (Sign): ______ Received For Lab By (Sign): ______ Date/Time: ______

Analysis	Code	Analysis	Code	Analysis	Code
Priority Pollutant Metals	01	Cadmium	10	Zinc	19
Petroleum Hydrocarbons	02	Chromium	11		
Volatile Organics + 15	03	Copper	12		
Base Neutrals + 15	04	Lead	13		
Acid & Base / Neutrals	05	Mercury	14		
VO+15 + MTBE / TBA	06	Nickel	15		
Antimony	07	Selenium	16		
Arsenic	08	Silver	17		
Beryllium	09	Thallium	18		

Note: Report on CD NOT Required

\\GROVE\Shared\Project Files\Hospital Group\MR1 + MR2\Custody Chains\Monthly\1 month chain SMP.doc, 3/31/2008

0018

PROJECT INFORMATION

E 0 8 - 0 3 6 5 5

Case No. E08-03655 **Project** ST. MARY'S HOSPITAL (PBI)-R8MM

Customer	ESI, INC.	**P.O. #**	
Contact	Bob Lawrence	**Received**	4/3/2008 11:50
EMail	rlawrenc@enviro-sciences.com ☑ EMail EDDs	**Verbal Due**	4/17/2008
Phone	(973) 398-8183 **Fax** 1(973) 398-8037	**Report Due**	4/24/2008

Report To

111 Howard Blvd
Suite 108
Mount Arlington, NJ 07856
Attn: Bob Lawrence

Bill To

111 Howard Blvd
Suite 108
Mount Arlington, NJ 07856
Attn: Bob Lawrence

Report Format Reduced

Additional Info ☐ State Form ☐ Field Sampling ☐ Conditional VOA

Lab ID	Client Sample ID	Depth Top / Bottom	Sampling Time	Matrix	Unit	# of Containers
03655-001	SMP-0408	n/a	4/3/2008@09:25	Aqueous	mg/L	1

Sample #	Tests	Status	QA Method
001	Zinc - Zn	Run	200.8

04/03/2008 13:01 by kim - NOTE 1

IF CD APPEARS ON INVOICE, PLEASE DELETE.

Integrated Analytical Labs ~ 273 Franklin Road, Randolph, NJ 07869 ~ (973) 361-4252 ~ Fax (973) 989-5288

INTEGRATED ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIPT VERIFICATION

CASE NO: **E 08** **03655** CLIENT: CSI

COOLER TEMPERATURE: 2° - 6°C: ✓ (See Chain of Custody)

Comments

COC: (COMPLETE) / INCOMPLETE

KEY
✓ = YES/NA
✗ = NO

✓	Bottles Intact	
✓	no-Missing Bottles	
✓	no-Extra Bottles	
✓	Sufficient Sample Volume	
✓	no-headspace/bubbles in VOs	
✓	Labels intact/correct	
✓	pH Check (exclude VOs)[1]	
✓	Correct bottles/preservative	
✓	Sufficient Holding/Prep Time[1]	
	Sample to be Subcontracted	

[1] All samples with "Analyze Immediately" holding times will be analyzed by this laboratory past the holding time. This includes but is not limited to the following tests: pH, Temperature, Free Residual Chlorine, Total Residual Chlorine, Dissolved Oxygen, Sulfite.

ADDITIONAL COMMENTS:

SAMPLE(S) VERIFIED BY: INITIAL [initials] DATE 4/3/08

CORRECTIVE ACTION REQUIRED: **YES** [ ] (SEE BELOW) **NO** [ ]

CLIENT NOTIFIED: YES [ ] Date/ Time: _____ NO [ ]

PROJECT CONTACT:

SUBCONTRACTED LAB:

DATE SHIPPED:

ADDITIONAL COMMENTS:

VERIFIED/TAKEN BY: INITIAL ES DATE 4/7

REV 02/05

EPA Request #: III.B.1.e.

PVSC40 - 00003867

Laboratory Custody Chronicle

IAL Case No.
E08-03655

Client ESI, INC.

Project ST. MARY'S HOSPITAL (PBI)-R8MM

Received On 4/ 3/2008@11:50

Department: Metals			***Prep. Date***	***Analyst***	***Analysis Date***	***Analyst***
Zinc - Zn	03655-001	Aqueous	4/ 8/08	Lisa	4/ 8/08	Helge

Review and Approval:

Integrated Analytical Labs ~ 273 Franklin Road, Randolph, NJ 07869 ~ (973) 361-4252 ~ Fax (973) 989-5288